PROJECT LOCATION: 830 CHALKSTONE AVE, PROVIDENCE, RI 02908

EXISTING CONDITIONS INFORMATION TAKEN FROM:

• SURVEY PLAN ENTITLED "EXISTING SITE PLAN" PREPARED BY US ARMY ENGINEER DISTRICT CORPS OF

• SURVEY PLAN ENTITLED "WATER, SEWER AND DRAIN SITE SURVEY INDEX PLAN" PREPARED BY ALPHA

- SURVEYING AND ENGINEERING INC. OF MIDDLEBOROUGH, MA DATED AUGUST 28, 2012. • EXISTING CONDITIONS, CLASS III SURVEY OF VA MEDICAL CENTER ON CHALK STONE AVENUE PROVIDED BY MLC SURVEYING, INC. OF LINCOLN, RHODE ISLAND, PLAN DATED
- PARTIAL EXISTING CONDITIONS SURVEY COMPLETED BY PARE CORPORATION ON APRIL 24, 2013 AND APRIL 25, 2013.
- 3. ELEVATIONS ARE REFERENCED TO THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD29) BASED ON THE "EXISTING SITE PLAN" DATED JULY 26, 2011.
- 4. UNDERGROUND UTILITIES WERE COMPILED FROM AVAILABLE RECORD PLANS OF UTILITY COMPANIES AND PUBLIC AGENCIES AND ARE APPROXIMATE AND ASSUMED. BEFORE COMMENCING SITE WORK IN ANY AREA, CONTACT "DIG SAFE" AT 1-888-DIG-SAFE AND VETERANS AFFAIRS GENERAL ENGINEER/PROJECT MANAGER TO ACCURATELY LOCATE UNDERGROUND UTILITIES.
- 5. THE SITE IS LOCATED IN A "ZONE C" ACCORDING TO FIRM COMMUNITY PANEL NO. 445406 0004 E DATED APRIL

- 1. THE DEPARTMENT OF VETERAN AFFAIRS STANDARD SPECIFICATIONS, CONSTRUCTION SAFETY AND SECURITY REQUIREMENTS ARE MADE A PART HERE OF AS FULLY AND COMPLETELY AS IF ATTACHED HERETO.
- 2. THE STATE OF RHODE ISLAND STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2004 EDITION OR LATEST REVISION, AND THE RHODE ISLAND STANDARD DETAILS ARE MADE A PART HEREOF AS FULLY AND COMPLETELY AS IF ATTACHED HERETO. THE 2004 EDITION OF THE STANDARD SPECIFICATIONS MAY BE OBTAINED AT THE RHODE ISLAND DEPARTMENT OF TRANSPORTATION.
- 3. THE CONTRACTOR SHALL MAKE ALL NECESSARY CONSTRUCTION NOTIFICATIONS AND APPLY FOR AND OBTAIN ALL NECESSARY CONSTRUCTION PERMITS, PAY ALL FEES AND POST ALL BONDS ASSOCIATED WITH THE SAME, AND COORDINATE WITH THE ENGINEER
- 4. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR JOB SITE SAFETY. THE CONTRACTOR SHALL PROVIDE TEMPORARY FENCING AND/OR BARRIERS AROUND ALL OPEN EXCAVATED AREAS IN ACCORDANCE WITH OSHA STANDARDS AND THE VA MEDICAL CENTER
- 5. IF ANY DEVIATION OR ALTERATION OF THE WORK PROPOSED ON THESE DRAWINGS IS REQUIRED, THE CONTRACTOR IS TO IMMEDIATELY CONTACT AND COORDINATE WITH THE ENGINEER AND OWNER'S REPRESENTATIVE AS REQUIRED.
- 6. ANY AREA OUTSIDE OF THE LIMIT OF WORK THAT IS DISTURBED SHALL BE RESTORED TO ITS ORIGINAL CONDITION AT NO COST TO
- 7. ALL SITE WORK SHALL MEET OR EXCEED THE SITE WORK SPECIFICATIONS PREPARED FOR THIS PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS DO NOT CONFLICT WITH ANY KNOWN EXISTING OR OTHER PROPOSED IMPROVEMENTS. IF ANY CONFLICTS ARE DISCOVERED, THE CONTRACTOR SHALL NOTIFY THE OWNER AND THE ENGINEER PRIOR TO INSTALLATION OF ANY PORTION OF THE SITE WORK WHICH WOULD BE AFFECTED.
- 8. UNDERGROUND UTILITIES WERE COMPILED FROM AVAILABLE RECORD PLANS OF UTILITY COMPANIES AND PUBLIC AGENCIES AND ARE APPROXIMATE AND ASSUMED. BEFORE COMMENCING SITE WORK IN ANY AREA, CONTACT "DIG SAFE" AT 1-888-DIG-SAFE AND VETERANS AFFAIRS GENERAL ENGINEER/PROJECT MANAGER TO ACCURATELY LOCATE UNDERGROUND UTILITIES. ANY DAMAGE TO EXISTING UTILITIES OR STRUCTURES AS SHOWN ON THE PLANS SHALL BE THE CONTRACTOR'S RESPONSIBILITY. COSTS OF SUCH DAMAGE SHALL BE THE CONTRACTOR'S RESPONSIBILITY. NO EXCAVATION SHALL BE DONE UNTIL UTILITY COMPANIES ARE PROPERLY
- 9. NO EXCAVATION SHALL BE DONE UNTIL COMPANIES ARE PROPERLY NOTIFIED IN ADVANCE. NOTE THAT NOT ALL EXISTING UNDERGROUND UTILITIES ARE SHOWN. IT IS THE CONTRACTORS RESPONSIBILITY TO CONTACT ALL RESPECTIVE UTILITY COMPANIES TO
- 10. ALL ROADWAY WORK SHALL CONFORM TO THE RHODE ISLAND DEPARTMENT OF TRANSPORTATION (RIDOT) REQUIREMENTS AND RHODE ISLAND STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION 2004 EDITION OR LATEST REVISION
- 11. PAVEMENT MARKINGS: CROSSWALKS ARE TO BE 10 FEET WIDE (OUTSIDE TO OUTSIDE) WITH ONE FOOT WIDE STRIPES AND CROSS STRIPING AT A 45 DEGREE ANGLE 3.5 FEET ON CENTER. ALL PAVEMENT MARKINGS ARE TO BE EPOXY RESIN.

- 1. ALL LINES ARE PERPENDICULAR OR PARALLEL TO THE LINES FROM WHICH THEY ARE MEASURED UNLESS OTHERWISE INDICATED.
- 2. ACCESSIBLE RAMPS SHALL BE PER THE AMERICANS WITH DISABILITIES ACT (ADA) ACCESSIBILITY GUIDELINES.
- 3. CONTRACTOR TO PERFORM BENCHMARK FIELD LEVEL VERIFICATION AND COORDINATE LAYOUT CHECK PRIOR TO CONSTRUCTION. CONTRACTOR SHALL CONTACT PARE CORPORATION IF ANY DISCREPANCIES ARE FOUND.
- 4. CENTER WALKWAYS ON DOORWAYS THEY SERVE.

# **DEMOLITION NOTES**

- 1. THE CONTRACTOR SHALL COORDINATE ALL DEMOLITION OF STRUCTURES, PAVEMENT AND CONCRETE MATERIALS, AND UTILITIES WITH APPROPRIATE PROPOSED SITE GENERAL, GRADING, UTILITY, AND LANDSCAPING DRAWINGS.
- 2. ALL NOTED UTILITIES TO BE REMOVED AND DISPOSED OF, RELOCATED OR CAPPED REPRESENT ALL KNOWN SITE CONDITIONS TO BE DEMOLISHED. CONTRACTOR TO COORDINATE ALL UNFORESEEN CONDITIONS WITH THE PROJECT ENGINEER, OWNER AND/OR RESPECTIVE UTILITY COMPANIES PRIOR TO PROCEEDING WITH WORK.
- 3. WATER, SEWER, DRAINAGE AND OTHER SITE UTILITIES SERVICING THE EXISTING FACILITIES ARE TO REMAIN ACTIVE THROUGHOUT

# **GRADING AND UTILITY NOTES**

CONSTRUCTION DETAILS AND GRADING PLAN.

- 1. UNDERGROUND UTILITIES WERE COMPILED FROM AVAILABLE RECORD PLANS OF UTILITY COMPANIES AND PUBLIC AGENCIES AND ARE APPROXIMATE AND ASSUMED. BEFORE COMMENCING SITE WORK IN ANY AREA, CONTACT "DIG SAFE" AT 1-888-DIG-SAFE TO ACCURATELY LOCATE UNDERGROUND UTILITIES. ANY DAMAGE TO EXISTING UTILITIES OR STRUCTURES AS SHOWN ON THE PLANS SHALL BE THE CONTRACTOR'S RESPONSIBILITY. COSTS OF SUCH DAMAGE SHALL BE THE CONTRACTOR'S RESPONSIBILITY. NO EXCAVATION SHALL BE DONE UNTIL UTILITY COMPANIES ARE PROPERLY NOTIFIED.
- 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS DO NOT CONFLICT WITH ANY KNOWN EXISTING OR OTHER PROPOSED IMPROVEMENTS. IF CONFLICTS ARE DISCOVERED, THE CONTRACTOR SHALL NOTIFY THE OWNER AND THE ENGINEER PRIOR TO INSTALLATION OF ANY PORTION OF THE SITE WORK WHICH WOULD BE AFFECTED. NO FIELD ADJUSTMENTS IN THE LOCATION OF SITE ELEMENTS SHALL BE MADE WITHOUT THE ENGINEERS APPROVAL.
- 3. ALL WORK PERFORMED AND ALL MATERIALS FURNISHED SHALL CONFORM WITH THE LINES AND GRADES ON THE PLANS AND SITE WORK SPECIFICATIONS.
- 4. AT ALL LOCATIONS WHERE EXISTING CURBING OR PAVEMENT ABUT NEW CONSTRUCTION, THE EDGE OF THE EXISTING CURB OR PAVEMENT SHALL BE SAW CUT TO A CLEAN, SMOOTH EDGE. BLEND NEW PAVEMENT AND CURBS SMOOTHLY INTO EXISTING BY
- GRADE. RIM ELEVATIONS OF STRUCTURES AND MANHOLES ARE APPROXIMATE. FINAL ELEVATIONS ARE TO BE SET FLUSH AND
- 6. THE CONTRACTOR SHALL MAKE ALL ARRANGEMENTS FOR THE ALTERATION OF PRIVATE UTILITIES BY THE UTILITY COMPANIES, AS

5. ALL UTILITY COVERS, GRATES, ETC. SHALL BE ADJUSTED TO BE FLUSH WITH THE SURROUNDING SURFACE OR PAVEMENT FINISH

- 7. WHERE AN EXISTING UTILITY IS FOUND TO CONFLICT WITH THE PROPOSED WORK, THE LOCATION, ELEVATION AND SIZE OF THE UTILITY SHALL BE ACCURATELY DETERMINED WITHOUT DELAY BY THE CONTRACTOR AND THE INFORMATION FURNISHED TO THE ENGINEER FOR
- 8. THE CONTRACTOR SHALL PROTECT ALL UNDERGROUND DRAINAGE, SEWER AND UTILITY FACILITIES FROM EXCESSIVE VEHICULAR LOADS DURING CONSTRUCTION. ANY DAMAGE TO THESE FACILITIES RESULTING FROM CONSTRUCTION LOADS WILL BE RESTORED TO ORIGINAL
- 9. GAS, ELECTRIC, AND COMMUNICATIONS ROUTING ARE SUBJECT TO REVIEW AND APPROVAL BY APPROPRIATE UTILITY COMPANIES.
- 10. DURING CONSTRUCTION OPERATIONS, THE CONTRACTOR SHALL PROTECT EXISTING UTILITIES BY PROVIDING TEMPORARY SUPPORTS OR SHEETING AS REQUIRED AT NO ADDITIONAL COST TO THE OWNER.
- 11. EXCAVATION REQUIRED WITHIN THE PROXIMITY OF EXISTING UTILITY LINES SHALL BE DONE BY HAND. CONTRACTOR SHALL REPAIR ANY DAMAGE TO EXISTING UTILITY LINES OR STRUCTURES INCURRED DURING CONSTRUCTION OPERATIONS AT NO COST TO THE OWNER.
- 12. PITCH EVENLY BETWEEN SPOT GRADES. ALL PAVED AREAS MUST PITCH TO DRAIN AT A MIN. OF 1/8" PER FOOT UNLESS SPECIFIED.

13. THE PROPOSED WALKWAYS SHALL HAVE A MAXIMUM CROSS SLOPE OF 2% AND A MAXIMUM RUNNING SLOPE OF 3% AS SHOWN ON

### **EROSION AND SEDIMENTATION CONTROL NOTES**

- 1. SOIL EROSION AND SEDIMENTATION CONTROLS SHALL BE PROVIDED IN ACCORDANCE WITH THE "RHODE ISLAND SOIL EROSION AND SEDIMENT CONTROL HANDBOOK". AND THE PROJECT SOIL EROSION AND SEDIMENT CONTROL PLAN (NARRATIVE AND SITE PLAN) DATED FEBRUARY 27, 2015, PREPARED BY PARE CORPORATION AND ISSUED AS A SEPARATE DOCUMENT.
- 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING OR INSTALLING ALL TEMPORARY SEDIMENT AND EROSION CONTROLS AS SHOWN ON THESE PLANS AND SHALL MAINTAIN ALL EROSION CONTROL MEASURES AS NECESSARY DURING THE ENTIRE CONSTRUCTION
- 3. ANTI-TRACKING PADS (R.I. STD. DETAIL 9.9.0) SHALL BE PROVIDED AT ALL POINTS OF EGRESS OR INGRESS AND SHALL BE MAINTAINED TO LIMIT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC ROADS.
- 4. EROSION CONTROL BARRIERS SHALL BE INSTALLED AS SHOWN ON THE EROSION CONTROL PLAN PRIOR TO COMMENCEMENT OF
- 5. SOIL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSPECTED AND MAINTAINED ON A WEEKLY BASIS AND AFTER EACH STORM EVENT OF 0.25 INCH OR GREATER DURING CONSTRUCTION TO INSURE THAT CHANNELS, DITCHES AND PIPES ARE CLEAR OF DEBRIS AND THAT THE EROSION CONTROL BARRIERS ARE INTACT. IDENTIFIED DEFICIENCIES SHALL BE CORRECTED IMMEDIATELY.
- 6. DUST SHALL BE CONTROLLED BY WATERING OR OTHER APPROVED METHODS AS NECESSARY, OR AS DIRECTED BY THE OWNER OR OWNER'S REPRESENTATIVE. 7. THE CONTRACTOR SHALL CLEAN AND MAINTAIN EROSION CONTROL BARRIER WHEN SEDIMENT ACCUMULATES TO ONE HALF THE HEIGHT
- OF THE HAY BALES OR ONE THIRD THE HEIGHT OF SILT FENCE. MATERIAL COLLECTED FROM THE SILTATION BARRIERS SHALL BE REMOVED AS NECESSARY AND DISPOSED IN AN UPLAND AREA.
- 8. THE CONTRACTOR SHALL SCHEDULE HIS WORK TO ALLOW THE FINISHED SUB GRADE ELEVATIONS TO DRAIN PROPERLY WITHOUT PONDING. SPECIFICALLY, ALLOW WATER TO ESCAPE WHERE PROPOSED CURB MAY RETAIN RUNOFF PRIOR TO APPLICATION OF SURFACE PAVING. PROVIDE TEMPORARY POSITIVE DRAINAGE, AS REQUIRED, TO STABILIZED DISCHARGE POINTS.
- 9. INSTALLATION OF THE EROSION CONTROL BARRIERS AS ILLUSTRATED IS INTENDED TO REPRESENT THE MINIMUM SEDIMENTATION CONTROL FACILITIES NECESSARY TO MEET ANTICIPATED SITE CONDITIONS. ADDITIONAL EROSION CONTROL MEASURES SHALL BE IMPLEMENTED AS CONDITIONS WARRANT OR AS DIRECTED BY THE OWNER OR OWNER'S REPRESENTATIVE.
- 10. REQUIRED SEDIMENTATION CONTROL FACILITIES MUST BE PROPERLY ESTABLISHED, CLEARLY VISIBLE AND IN OPERATION PRIOR TO INITIATING ANY LAND CLEARING ACTIVITY AND/OR OTHER CONSTRUCTION RELATED WORK. SUCH FACILITIES SHALL REPRESENT THE LIMIT OF WORK. WORKERS SHALL BE INFORMED THAT NO CONSTRUCTION ACTIVITY IS TO OCCUR BEYOND THE LIMIT OF WORK AT ANY TIME THROUGHOUT THE CONSTRUCTION PERIOD.
- 11. THE CONTRACTOR SHALL MAINTAIN A SUFFICIENT RESERVE OF VARIOUS EROSION CONTROL MATERIALS ONSITE AT ALL TIMES FOR EMERGENCY PURPOSES OR ROUTINE MAINTENANCE.
- 12. CATCH BASINS AND STORM DRAIN INLETS SHALL BE PROTECTED WITH FILTER FABRIC OR SEDIMENT BAGS IN PAVED AREAS.
- 13. THE CONTRACTOR SHALL NOT REMOVE ANY HAY BALES, SILT FENCE OR OTHER EROSION CONTROLS UNTIL THE CONTRIBUTING DRAINAGE AREA HAS BEEN PERMANENTLY STABILIZED.
- 14. CONSTRUCTION SITE WASTE MATERIALS WILL BE PROPERLY CONTAINED ONSITE AND DISPOSED OFF SITE AT A LOCATION IN
- 15. ALL DISTURBED AREAS SHALL BE STABILIZED WITHIN 14 DAYS UPON COMPLETION OF WORK IN THAT AREA.
- 16. ALL DRAINAGE STRUCTURES SHALL BE CLEARED OF ACCUMULATED SEDIMENT PRIOR TO ACCEPTANCE OF FINAL PROJECT.

### STORM WATER MANAGEMENT SYSTEM INSPECTION AND MAINTENANCE NOTES

- 1. THE CONTRACTOR SHALL REMOVE SEDIMENT AND DEBRIS FROM ALL CATCH BASINS, MANHOLES, AND THE DRAINAGE SYSTEM ON A ROUTINE BASIS, IMMEDIATELY FOLLOWING SITE STABILIZATION, AND PRIOR TO PROJECT COMPLETION AND ACCEPTANCE.
- THE CLOSED DRAINAGE SYSTEM AND ASSOCIATED STRUCTURES SHALL BE CLEANED AND FLUSHED BY THE CONTRACTOR AT THE COMPLETION OF CONSTRUCTION, AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSPECTION AND MAINTENANCE OF THE DRAINAGE SYSTEM UNTIL ACCEPTANCE OF THE SYSTEM BY THE ENGINEER AND THE OWNER. FOLLOWING ACCEPTANCE OF THE PROPOSED DRAINAGE SYSTEM PROPOSED FOR THIS SITE, THE OWNER OF THE SITE SHALL BE RESPONSIBLE FOR THE LONG-TERM INSPECTION AND
- 3. ANY ACCUMULATION OF PONDING WATER IN AREAS WITHIN THE LIMITS OF DISTURBANCE, OTHER THAN DESIGNATED AREAS, SHALL BE
- REMOVED ACCORDINGLY AND PREVENTED IN THE FUTURE. 4. GRASSES MUST BE PLANTED AROUND THE SITE IMMEDIATELY FOLLOWING CONSTRUCTION TO STABILIZE THE SLOPES AND PREVENT
- POST CONSTRUCTION 1. TRASH, LITTER, SEDIMENT AND OTHER DEBRIS SHALL BE REMOVED FROM ANY STORM WATER FACILITY (INCLUDING CATCH BASINS, MANHOLES, DETENTION SYSTEM, INLET AND OUTLET STRUCTURES, AND THE STORMWATER TREATMENT SYSTEM) AT LEAST TWICE A YEAR, PREFERABLY SPRING AND FALL, AT THE COST OF THE OWNER.

### PROPOSED <u> 262</u> — — <u>255</u>— — — × (261.5) X 407.5 SPOT ELEVATION DRAINAGE LINE WATER LINE SANITARY SEWER LINE \_\_\_\_s\_\_\_s\_\_\_ GAS LINE (BY OTHERS) ELECTRIC (BY OTHERS) TELEPHONE HIGH PRESSURE STEAM CONDENSATE PUMPED RETURN LOW PRESSURE CONDENSATE FIRE ALARM \_\_\_\_\_ LIMIT OF DISTURBANCE CATCH BASIN HYDRANT DRAINAGE MANHOLE TELEPHONE MANHOLE ELECTRIC MANHOLE UTILITY POLE WATER VALVE TREE LINE STONE WALL

# SYMBOL LEGEND

- (7.1.0) = PRECAST CONCRETE CURB R.I. STD. 7.1.0 7.2.4 = PRECAST CONCRETE CAR STOPS - R.I. STD. 7.2.4
- 7.5.1 = BITUMINOUS BERM - R.I. STD. 7.5.1 (31.2.0) = CHAIN LINK FENCE - R.I. STD. 31.2.0
- (43.1.0M) = CEMENT CONCRETE SIDEWALK (MODIFIED) R.I. STD. 43.1.0M
- = WHEELCHAIR RAMP FOR LIMITED RIGHT-OF-WAY AREAS R.I. STD. 43.3.1
- (48.1.0) = DETECTABLE WARNING SYSTEM - R.I. STD. 48.1.0 = BITUMINOUS CONCRETE PAVEMENT - REFER TO DETAIL
- (ATG) = ADJUST TO GRADE
- СМ = SAWCUT AND MATCH
- = REMOVE AND DISPOSE CURB (DC)
- = REMOVE AND DISPOSE FLEXIBLE PAVEMENT DSW = REMOVE AND DISPOSE SIDEWALK
- (LS) = LOAM AND SEED
- R&D = REMOVE AND DISPOSE
- R&R = REMOVE AND RESET R&S
- = REMOVE AND STOCKPILE (SW4) = 4" WHITE EPOXY RESIN PAVEMENT MARKING

(SW12) = 12" WHITE EPOXY RESIN PAVEMENT MARKING

### ABBREVIATION LEGEND

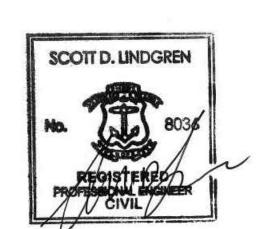
VCC = VERTICAL CONCRETE CURB

VGC = VERTICAL GRANITE CURB

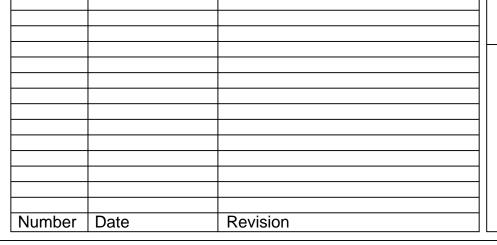
W/ = WITHÝD = YARD DRAIN

Scale

AD = AREA DRAIN BIT. = BITUMINOUS BM = BENCHMARK BS = BOTTOM OF STAIR CB = 4' DIA. CATCH BASIN UNLESS OTHERWISE NOTED CI = CAST IRONCL. = CLASS CLDI = CEMENT-LINED DUCTILE IRON C.O. = CLEANOUTCONC. = CONCRETE CONT. = CONTINUOUS DMH = DRAIN MANHOLE E.F. = EACH FACE ELEV,EL = ELEVATIONEOP = EDGE OF PAVEMENT EW = EACH WAYEXIST. = EXISTING EXCB = EXISTING CATCH BASIN EXDMH = EXISTING DRAIN MANHOLE FFE = FINISH FLOOR ELEVATION FND. = FOUNDGALV = GALVANIZED GRAN. = GRANITE GTD = GRADE TO DRAIN HDPE = HIGH DENSITY POLYETHYLENE PIPE HYD = HYDRANTINV. = INVERT LOD = LIMIT OF DISTURBANCE LF = LINEAR FOOT LP = LIGHT POLE MAX. = MAXIMUMMIN. = MINIMUMMON. = MONITORING PE = POLYETHYLENE PERF. = PERFORATED PVC = POLYVINYL CHLORIDE (R) = RECORDRCP = REINFORCED CONCRETE PIPE RIDEM = RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT R.I.D.O.T. = RHODE ISLAND DEPARTMENT OF TRANSPORTATION R.I. STD. = RHODE ISLAND STANDARD SDR = STANDARD DIMENSIONAL RATIO SMH = SEWER MANHOLE TP = TEST PITTS = TOP OF STAIR(TYP.) = TYPICALUNÓ = UNLESS NOTED OTHERWISE UP = UTILITY POLE



## **ISSUED FOR CONSTRUCTION DOCUMENTS FULLY SPRINKLERED**



16

VA FORM 08-6231

CONSULTANTS PARE Corporation 8 Blackstone Valley Place Lincoln, RI 02865

T: 401.334.4100

www.parecorp.com

STRUCTURAL
Simpson Gumpertz & Heger 41 Seyon Street Waltham, MA 02453

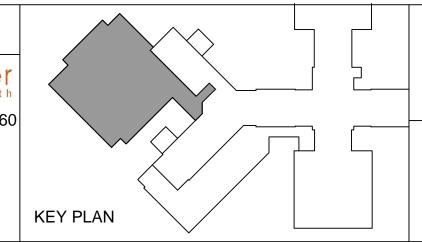
T: 781.907.9000

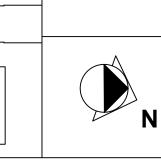
www.sgh.com

Thompson Consulting, Inc. 525 Mill Street Marion, MA 02738

COST D.G. Jones 3 Baldwin Green Common Suite 202 Woburn, MA 01801 T: 508.748.2620 T: 781.932.3131 www.thompson-consulting.com www.dgjonesboston.com

**ARCHITECT** morrisms witzer 11 Drydock Ave, Suite 2060 Boston, MA 02210 T: 617.772.0260 F: 617.772.0261 www.morrisswitzer.com



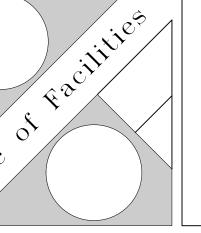


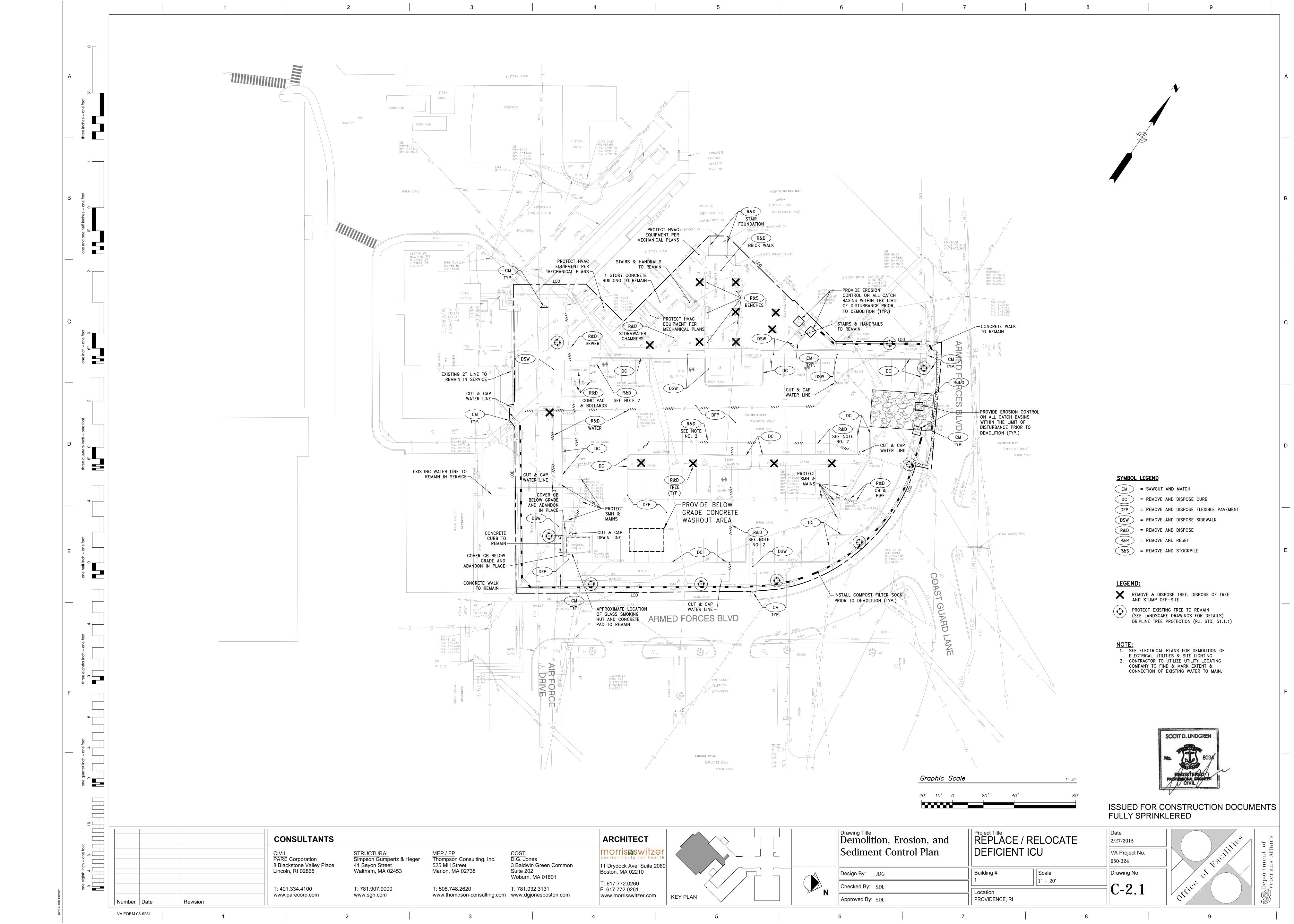
Design By: JDG Checked By: SDL Approved By: SDL

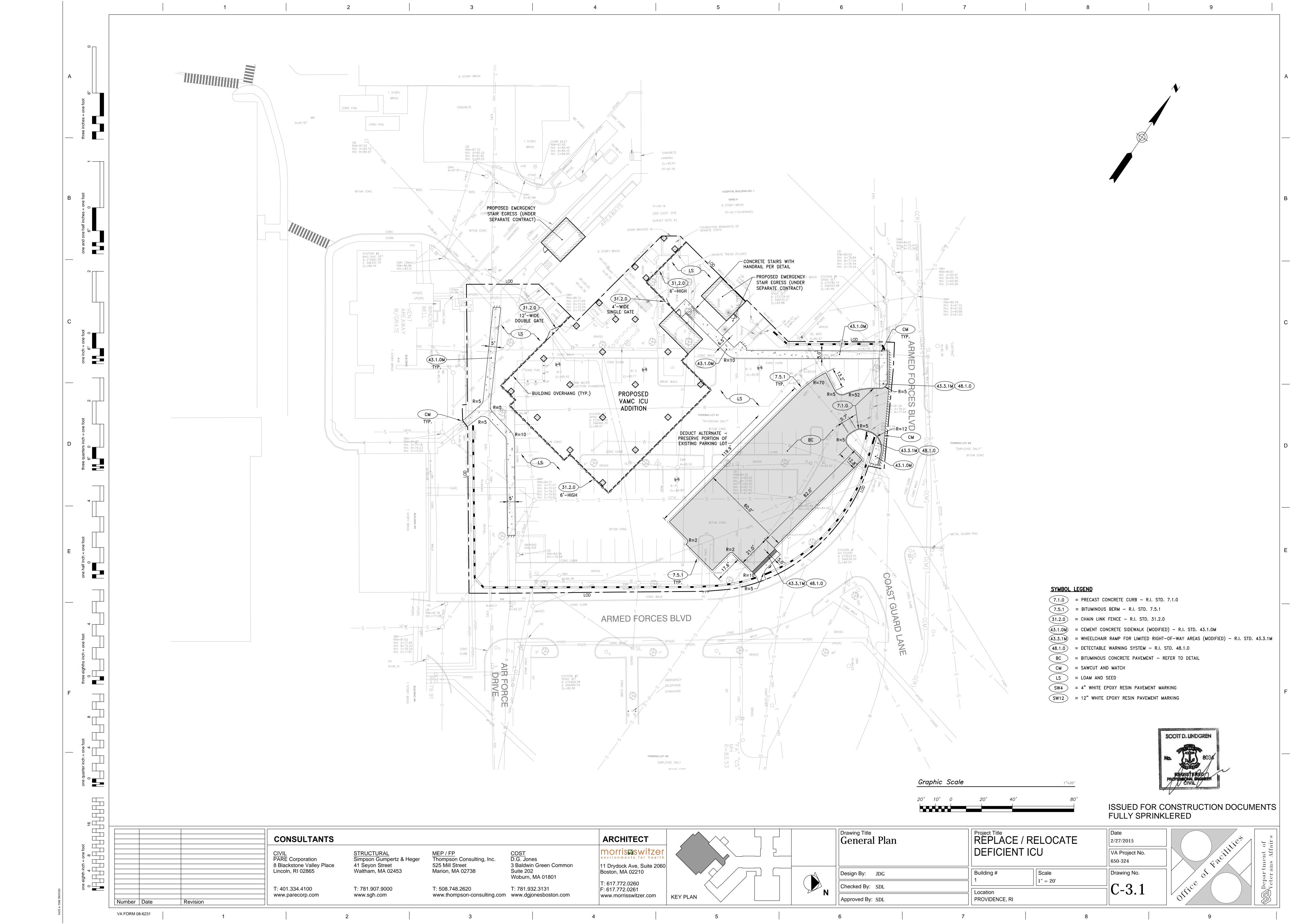
Notes & Legend **DEFICIENT ICU** Building # Location PROVIDENCE, RI

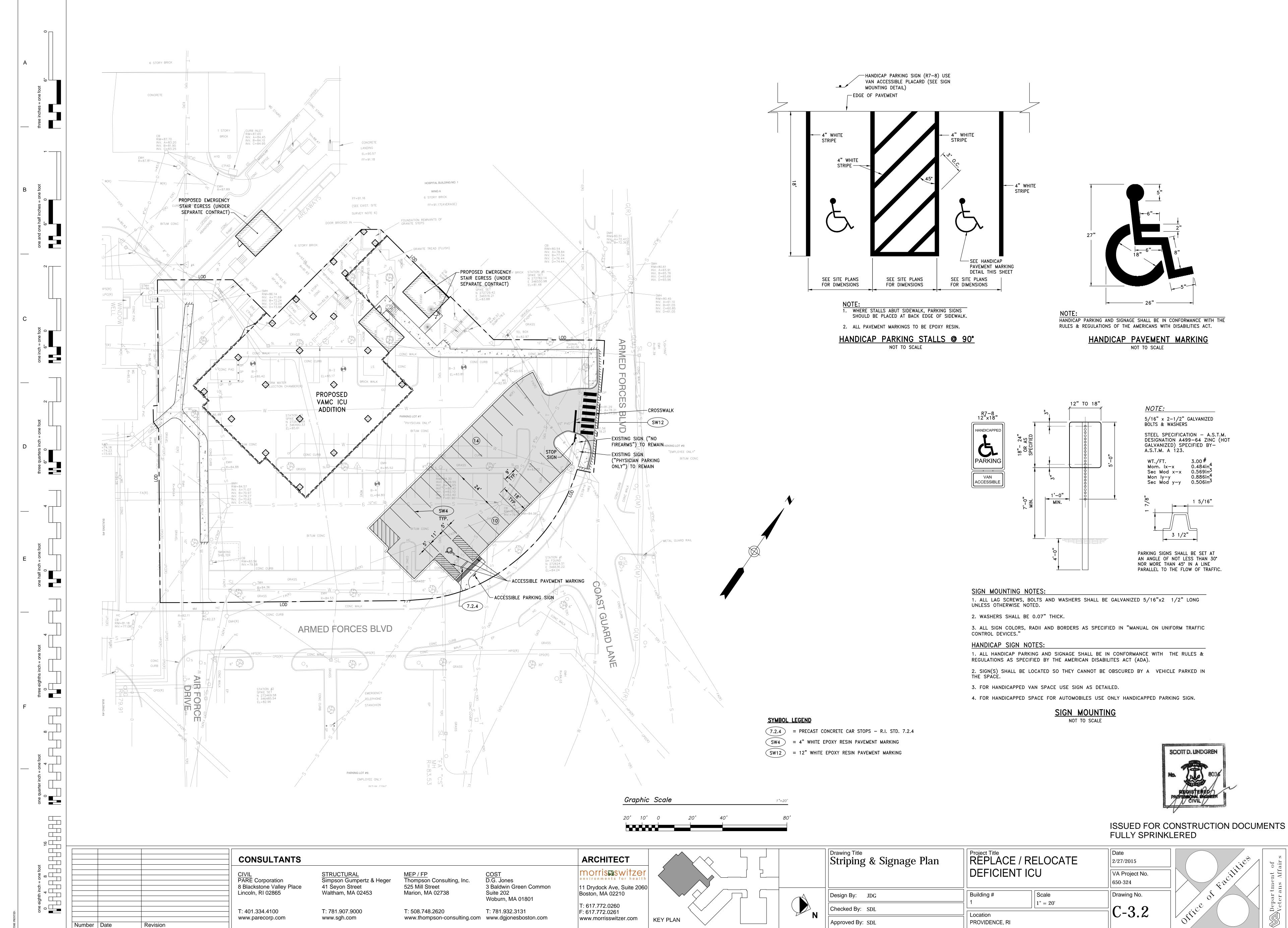
RÉPLACE / RELOCATE 2/27/2015 VA Project No. 650-324 Drawing No. NOT TO SCALE





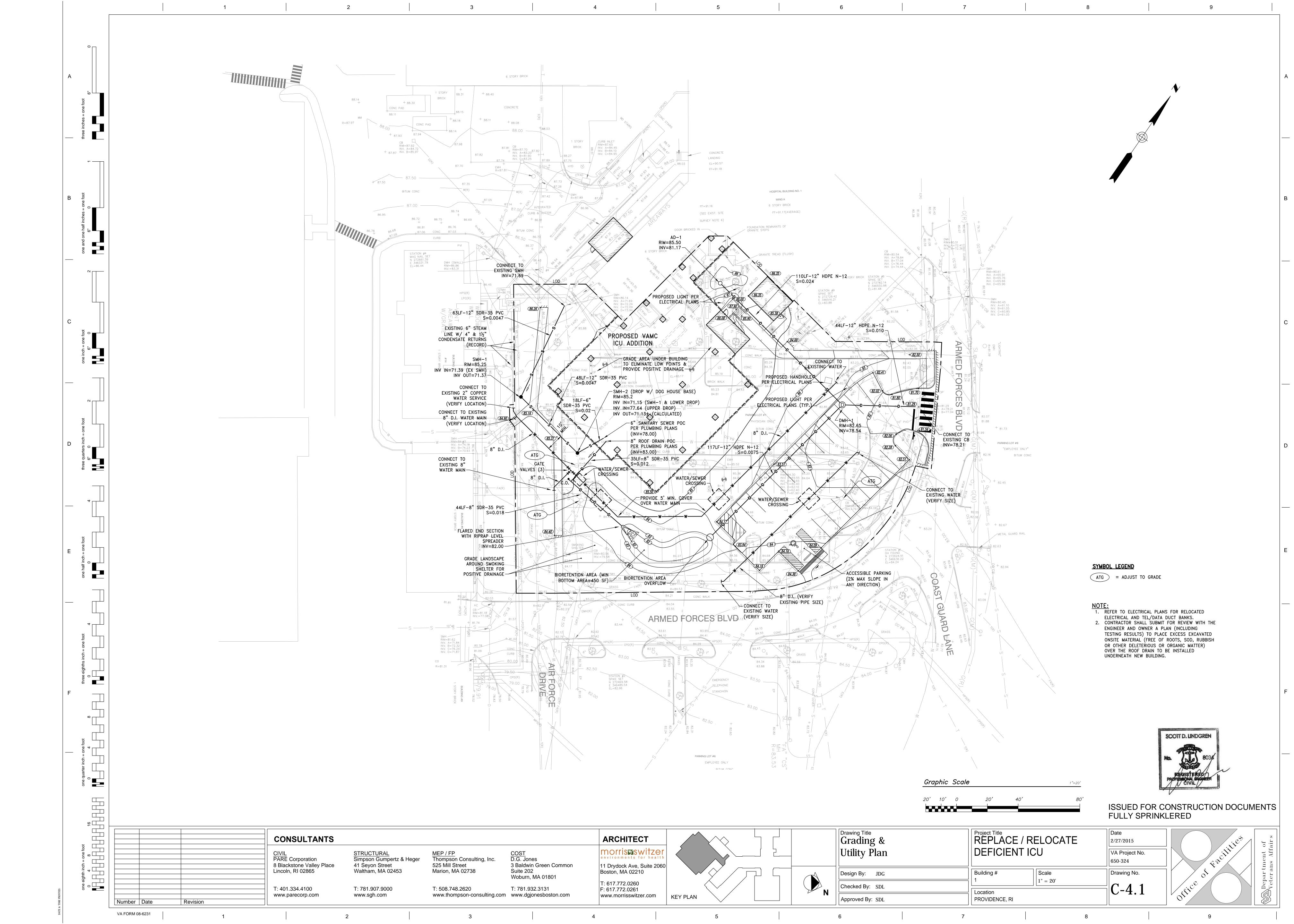


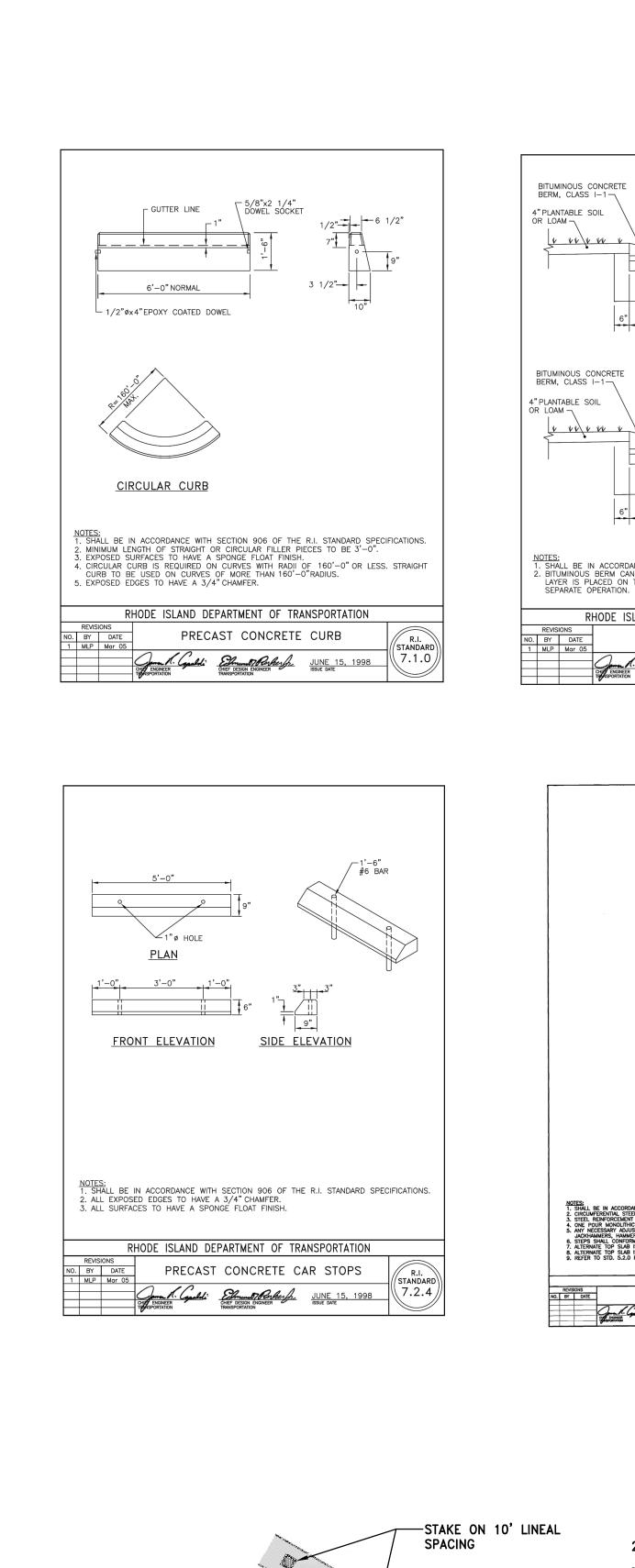


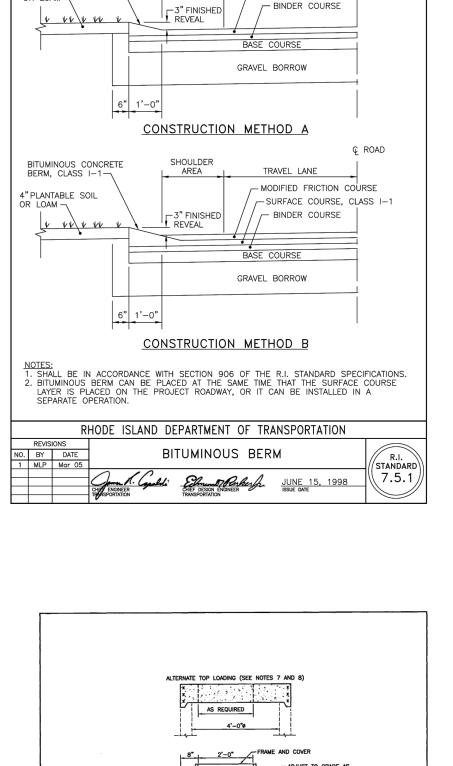


VA FORM 08-6231

PROVIDENCE, RI







PER APPROVED PRODUCTS LIST 1'-0"O.C.

(SEE NOTE 3)

NOTES:
1. SHALL BE IN ACCORDANCE WITH SECTION 702 OF THE R.I. STANDARD SPECIFICATIONS.
2. CIRCUMFERENTIAL STEEL REINFORCEMENT REQUIRED = 0.12 SQ. IN. / LIN. FT. MINIMUM.
3. STEEL REINFORCEMENT FOR BASE SECTIONS BOTTOM SHALL BE A MINIMUM OF 0.12 SQ. IN/LIN. FT. (BOTH WAYS).

RHODE ISLAND DEPARTMENT OF TRANSPORTATION

PRECAST 4'-0" ROUND MANHOLE

I.

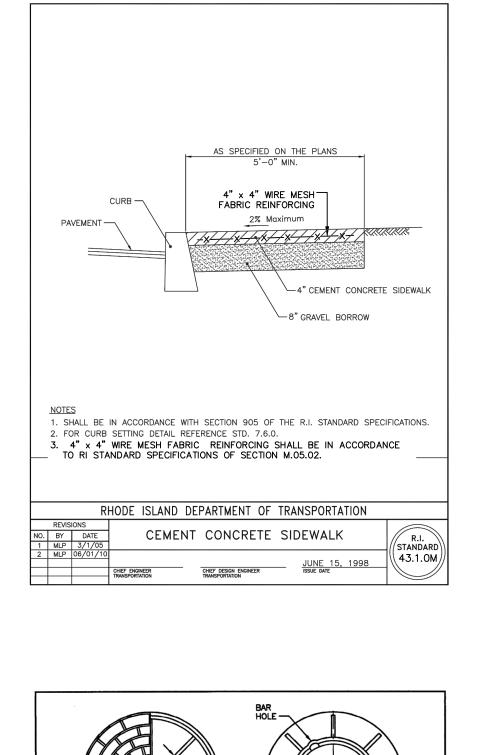
G CONSTRUCTION WILL BE DONE BY SAW—CUTTING AND/OR CORING ONLY. NO
S. OR PREUMATIC TOOLS WILL BE ALLOWED.
O AND SHALL BE INSTALLED AT THE CASTING PLANT.
OR AND SHALL BE INSTALLED THE CASTING PLANT.
OR EXPERIENCE TO MEET OR EXCEED H—25 LOADING (SEE STD. 4.7.2).
SEE WHEN REDUCING SECTION DOES NOT IT BECAUSE OF STRUCTURE DEPTH.

JUNE 15, 1998 4.2.0

MORTAR ALL JOINTS TOTAL WIDTH OF WALL

- SURFACE COURSE, CLASS I-1

- BINDER COURSE



1 11/16"(TYP.) 7 3"

COVER SECTION

2'-1 3/8"

FRAME SECTION

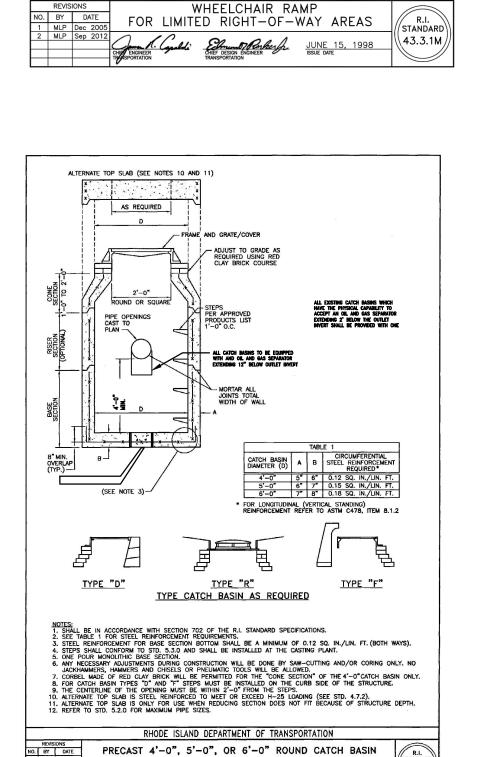
NOTES:

1. FRAME AND GRATE SHALL CONFORM TO SECTION M.04 OF THE R.I. STANDARD SPECIFICATIONS.

2. FRAME AND COVER SEATS MUST HAVE MACHINE FINISH.

RHODE ISLAND DEPARTMENT OF TRANSPORTATION

3/16" CLEARANCE --- 3/4"



CHIEF DESON ENGINEER
THANSPORTATION

STANDARD CURB SECTIONS TRANSITION LENGTH
OR WHEELCHAIR RAMP T
TRANSITION CURB AS REQUIRED CURB

43.1.0 RAMP

10'-0" MINIMUM

1. SHALL BE IN ACCORDANCE WITH SECTION 905 OF THE R.I. STANDARD SPECIFICATIONS.
2. THIS DETAIL IS TO BE USED ONLY WHEN STATE RIGHT—OF—WAY IS LIMITED TO BACK OF SIDEWALK, AND SIDEWALK IS NARROW WITH NO PEDESTRIAN TRAFFIC FROM SIDE STREET.
3. WHEN ANY OBSTRUCTION LOCATED IN THE SIDEWALK FALLS WITHIN A CROSSWALK AREA, IF POSSIBLE, THE OBSTRUCTION SHALL BE PLACED SUCH THAT IT FALLS OUTSIDE OF THE DAMP.

RAMP.

4. AT NO TIME IS ANY PART OF THE WHEELCHAIR RAMP TO BE LOCATED OUTSIDE OF THE CROSSWALK, AND IT IS TO BE CENTERED WHENEVER POSSIBLE.

5. DRAINAGE FACILITIES ARE TO BE LOCATED UP-GRADE OF ALL WHEELCHAIR RAMPS.

6. LOCATION OF WHEELCHAIR RAMPS IS AS SHOWN ON CONTRACT DRAWINGS.

7. ALL REQUIRED CUTTING OF CURB PIECES TO BE PAID FOR UNDER COST OF CURB.

8. WHERE THE ROAD PROFILE EXCEEDS 2% THE TRANSITION LENGTH (T) SHALL BE EIGHTEEN FEET (18'-0").

9. THE ENTRANCE OF THE WHEELCHAIR RAMP SHALL BE FLUSH WITH THE ROADWAY.

10. MINIMUM LENGTH OF STRAIGHT OR CIRCULAR FILLER PIECES TO BE 3'-0"(GREATER LENGTHS PREFERRED).

11. AN UNOBSTRUCTED PATH OF TRAVEL WITH A MINIMUM WIDTH OF 4'-0" SHALL BE MAINTAINED.

RHODE ISLAND DEPARTMENT OF TRANSPORTATION

SECTION A-A CONCRETE SIDEWALK AND LANDING

GRADE 1:20 MAX. 1:50 MAX.

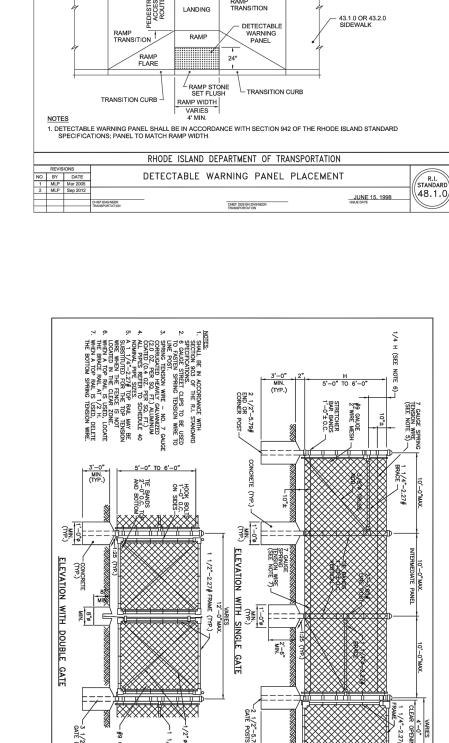
STD. 43.1.0 or 43.2.0

GRAVEL BORROW -

43.1.0 or 43.2.0 SIDEWALK

STATE HIGHWAY LINE

NORMAL SIDEWALK GRADE—



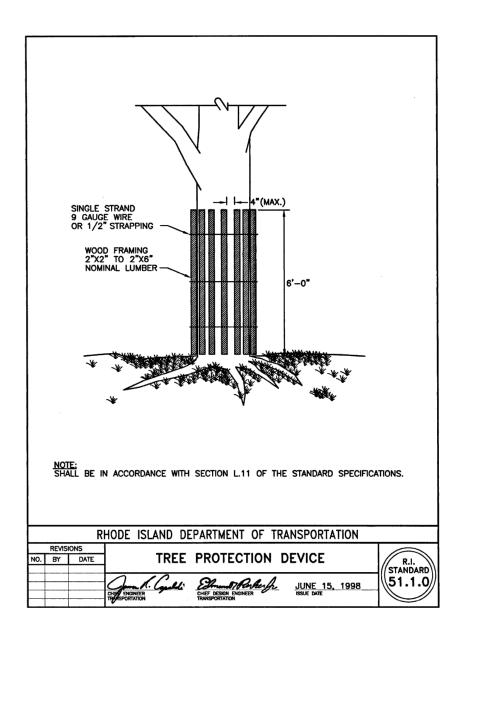
43.1.0 or 43.2.0 SIDEWALK

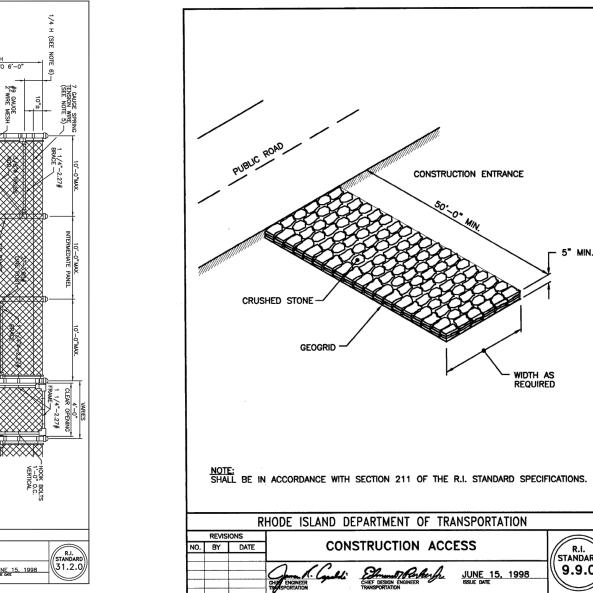
AS REQUIRED

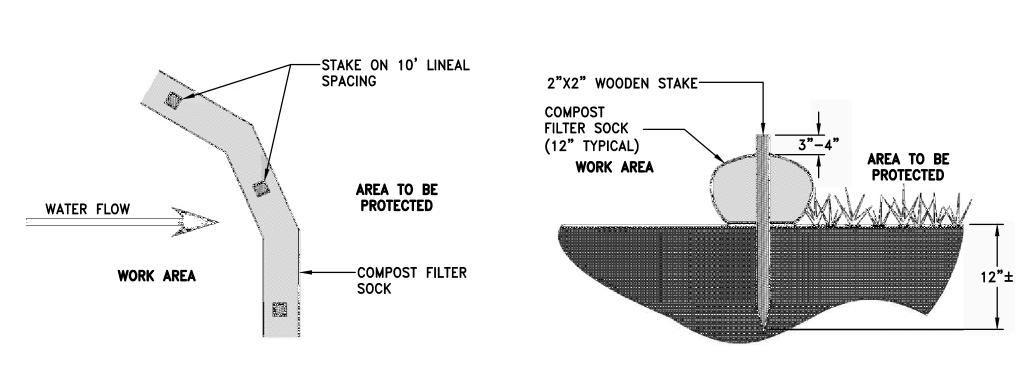
CROSSWALK

FOR EARTH SUPPORT

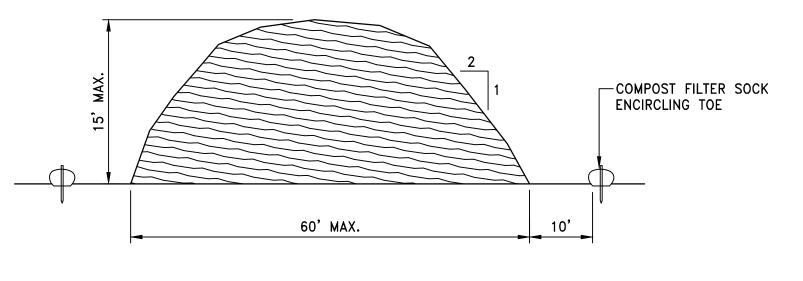
DIRECTION OF PEDESTRIAN TRAVEL







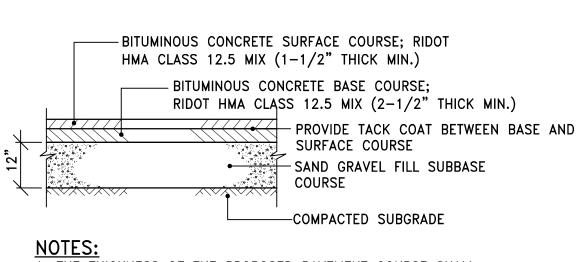




1. PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL PREPARE A PLAN SHOWING THE PROPOSED LOCATION OF ALL STOCKPILE AREAS.

- 2. STOCKPILE AREA SHALL NOT EXCEED SPECIFIED DIMENSIONS WITHOUT APPROVAL FROM ENGINEER.
- 3. STOCKPILED ERODIBLE MATERIAL THAT WILL NOT BE USED FOR GREATER THAN 30 DAYS SHALL BE STABILIZED WITH TEMPORARY VEGETATION IMMEDIATELY FOLLOWING PLACEMENT. **ERODIBLE MATERIAL STOCKPILE**

NOT TO SCALE

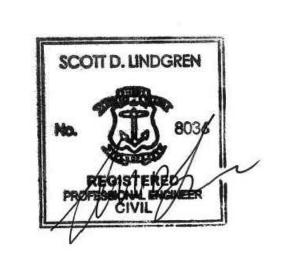


NOTES:

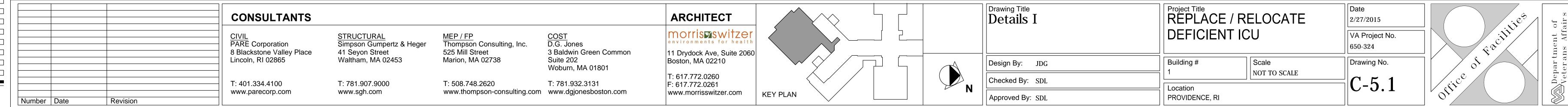
1. THE THICKNESS OF THE PROPOSED PAVEMENT COURSE SHALL MATCH THE EXISTING PAVEMENT. PROVIDE THE MINIMUM THICKNESS SHOWN.

2. SUBMIT JOB MIX FORMULAS TO ENGINEER FOR APPROVAL PRIOR TO PLACEMENT

TYPICAL PAVEMENT DETAIL NOT TO SCALE

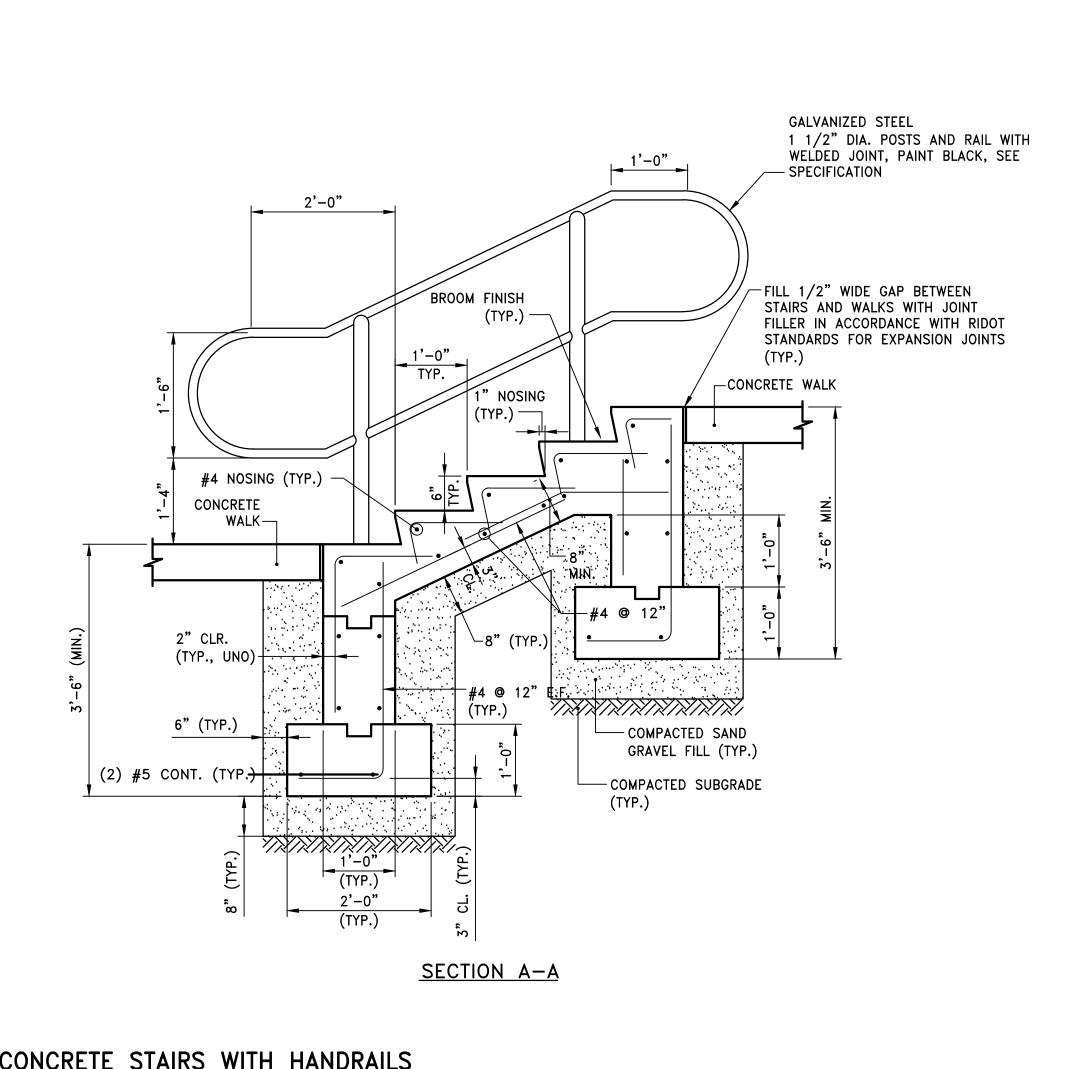


# ISSUED FOR CONSTRUCTION DOCUMENTS **FULLY SPRINKLERED**

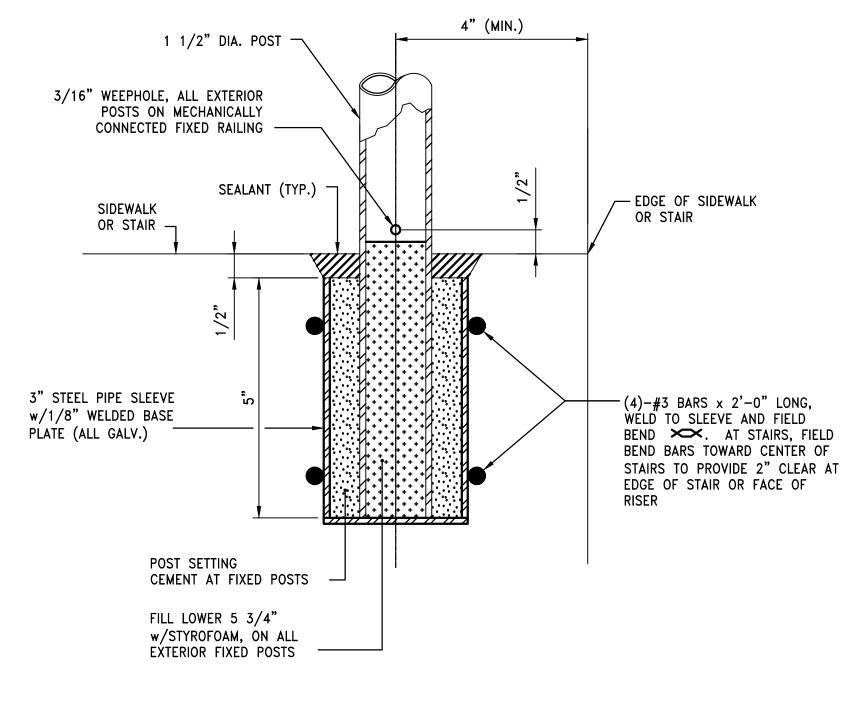


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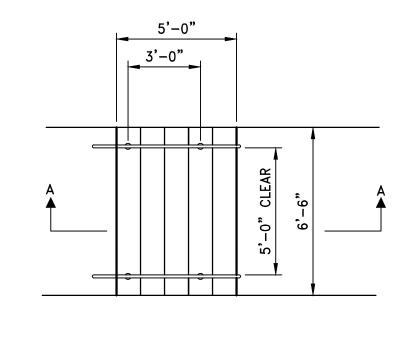
VA FORM 08-6231







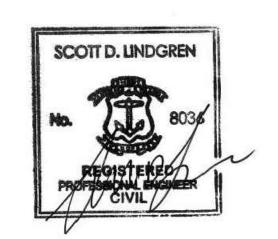
SLEEVE MOUNT



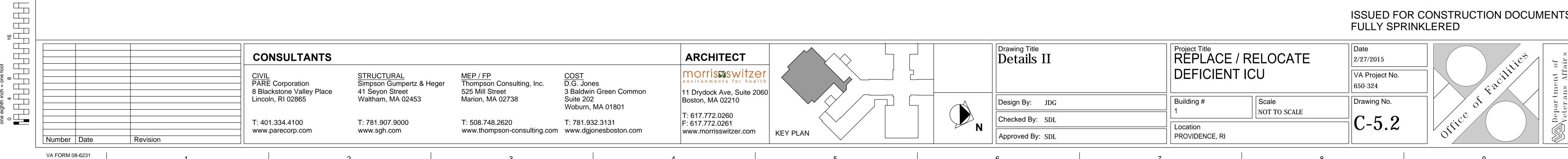
<u>PLAN</u>

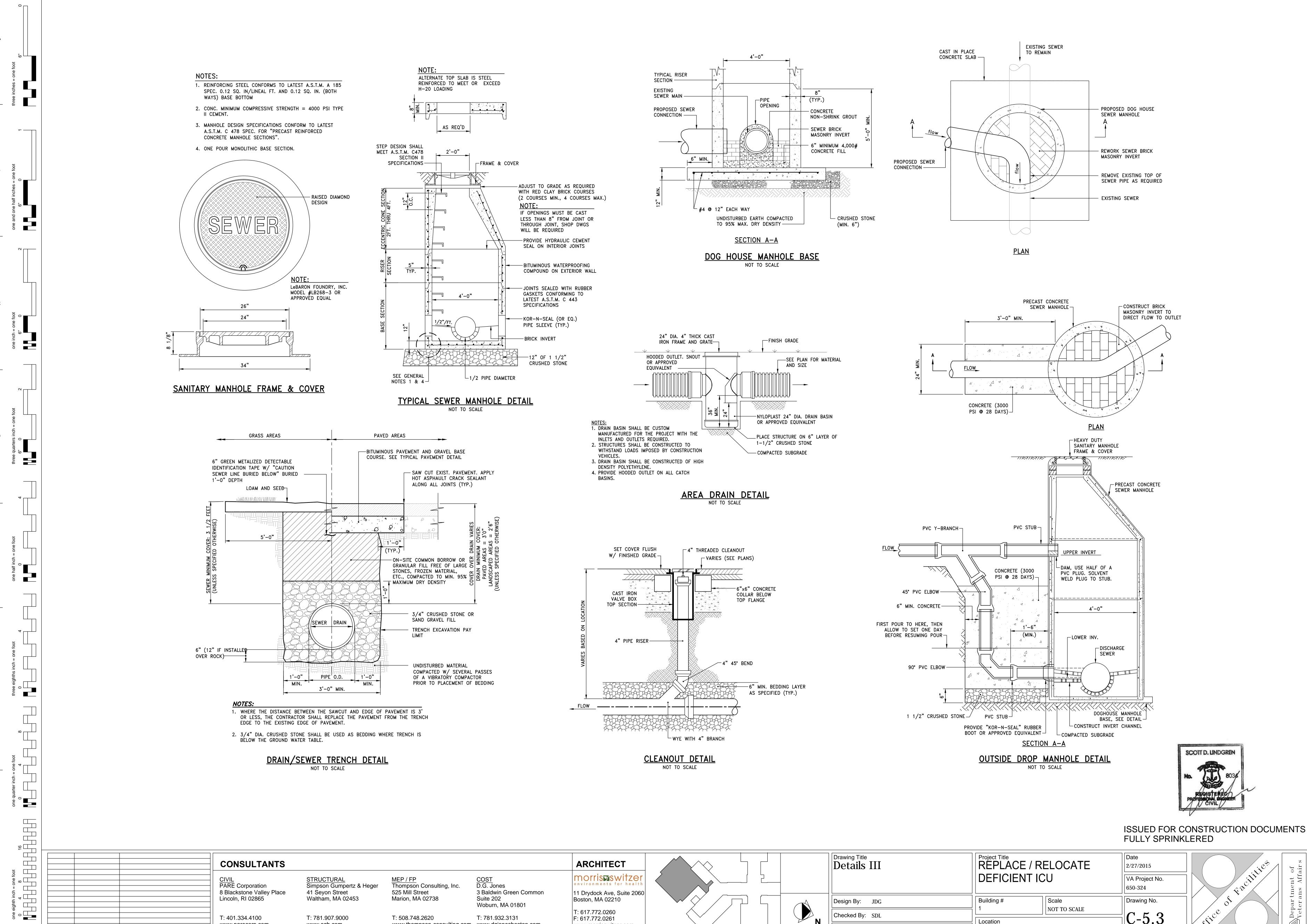
1. SEE SPECIFICATIONS SECTION 033000 CAST-IN-PLACE CONCRETE FOR MATERIALS AND INSTALLATION

REQUIREMENTS.



### ISSUED FOR CONSTRUCTION DOCUMENTS FULLY SPRINKLERED





Number Date

VA FORM 08-6231

Revision

www.sgh.com

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**KEY PLAN** 

Approved By: SDL

PROVIDENCE, RI

